

Quick Start Guide

Console Servers

Models: B097-016 (16-Port), B097-048 (48-Port)

Este manual esta disponible en español en la página de Tripp Lite: www.tripplite.com

Ce manuel est disponible en français sur le site Web de Tripp Lite : www.tripplite.com

Русскоязычная версия настоящего руководства представлена на веб-сайте компании Tripp Lite по адресу: www.tripplite.com

PROTECT YOUR INVESTMENT!

Register your product for quicker service and ultimate peace of mind.

You could also win an ISOBAR6ULTRA surge protector—a \$100 value!

www.tripplite.com/warranty



1111 W. 35th Street, Chicago, IL 60609 USA • www.tripplite.com/support

Copyright © 2018 Tripp Lite. All rights reserved.

Package Includes

- B097-016 or B097-048 Console Server
- (x2) C13 to NEMA 5-15P Power Cords, 6 ft.
- (x2) Cat5 UTP Patch Cables, 6 ft.
- (x1) B090-A9F Straight-Through Serial Adapter (DB9 to RJ45, F/F)
- (x1) B090-A9F-X Crossover Serial Adapter (DB9 to RJ45, F/F)
- (x1) B090-A9M Modular Serial Adapter (DB9 to RJ45, M/F)
- (x6) Rubber Feet
- Rack-Mounting Hardware
- Quick Start Guide

Hardware Assembly

- 1. If free standing:** Attach the included adhesive-backed rubber feet to the console server's base.
If rack-mounted: Attach the included rack-mount kit to the sides of the console server to be fixed onto the rack.
- 2.** Connect the **NET1** port on the console server to your primary network.
- 3.** If you plan to use the **NET2** port, you may connect it now.
Note: *NET2 can connect to a secondary network. For example, a secondary network may consist of a segregated management LAN or to the WAN via your Out-of-Band (OOB) management network. Alternatively, it can connect to the same primary network as **NET1** for redundancy.*
- 4.** Connect your serial devices to the console server's serial ports labeled 1-16/48 (depending on model).
- 5.** Power on the console server by connecting the included C13 to NEMA 5-15P power cords to the console server's built-in dual universal AC power supplies (with automatic failover).

Connect the Console Server

The B097-016 and B097-048 are addressable at one of the two IP addresses:

- 1.** The built-in (default) IP address of 192.168.0.1 (subnet mask 255.255.255.0).
or
- 2.** The default IP address the console server's DHCP Client accepts from a DHCP server on your network.

Note: *The console server will now respond at both 192.168.0.1 and its DHCP-supplied address.*

If using a browser on the same network as the console server's NET1 port (192.168.0.X, or the range used by your DHCP server):

- 3.** Enter **https://192.168.0.1/** or **http://[DHCP-supplied address]/** and press **Enter**.
- 4.** Log in using the default username and password.

Username: root
Password: default

- 5.** Press **Enter**. The console server's interface welcome page will load.

Configuration and management options present themselves in expanded by-default menus along the left side of the interface. The top-level menus are *Serial & Network*, *Alerts & Logging*, and *System, Status & Manage*.

The remainder of the page lists configuration tasks required to turn the console server into a usable unit. Some of these tasks will be marked as completed due to the console server's factory settings. The procedures in the next section document initial configuration using the menus, rather than the task list.

Setting a Strong, High-Entropy Password for the Root User

- 1.** Click **Serial & Network > User & Groups**.
- 2.** Click **Edit** for the Root User.
- 3.** Enter a strong, high-entropy password in the *Password* field.
- 4.** Re-enter the passcode in the *Confirm* field.
- 5.** Click **Apply**.

Set NET1 Port's Network Configuration Method

- 1.** Click **System > IP**.
- 2.** Click **Network Interface** (if it is not the front-most tab).
- 3.** For the Configuration Method, select either **DHCP** or **Static**.
- 4.** If Static, enter an IP Address and Subnet Mask for the NET1 interface.

Connect the Console Server

Set NET2 Port's Network Configuration Method

NET2 is inactive by default. NET2 can be set up for failover/OOB access or as a management LAN gateway. To activate:

1. Click **System > IP**.
2. Click **Management LAN Interface** to make it the front-most tab.
3. Click the **Deactivate this network interface** checkbox to de-select this option and activate NET2.
4. For Configuration Method, click either the **DHCP** or **Static** radio button.
5. If Static, enter an IP Address and Subnet Mask for the NET2 interface (leaving Gateway and DNS fields blank).

Out-of-Band (OOB) – set these for your management network.

IP Passthrough – set these to match an unused private IP range.

Note: The console server's firewall determines which protocols and services can be used to access which ports and devices. HTTPS and SSH are enabled to the console server by default. To change access settings for the console server and connected serial ports, click **System > Services**. Then click the **Service Access** tab and adjust accordingly.

Alternatively, NET2 can be used as a redundant connection, sharing the same network settings as NET1.

1. Click **System > IP**.
2. Click **General Settings** to make it the front-most tab.
3. For Interface Aggregation, choose between **Bridge interfaces** or **Bond interfaces**.
4. Click **Apply**.

Configuring Managed Devices

1. Click **Serial & Network > Serial Port**.

Note: By default, all serial ports are set in Console Server mode.

To configure a port:

2. Click **Edit**.
3. Set the Common Settings (Baud Rate, Parity, Data Bits, Stop Bits and Flow Control) for Port X to match the device connected to serial Port X.
4. To enable remote access to the device, check the **Console Server Mode** radio button in *Console Server Settings* and click the checkboxes for allowed protocols (e.g. Telnet, SSH and Web Terminal).
5. Click **Apply**.

Note: Configure user access policies for connecting to such ports in *Serial & Network > Users & Groups*. An AAA server can configure them remotely. See the Owner's Manual for more information.

Other Mode and Functions

Please refer to the Owner's Manual for details on advanced features, such as configuration, PDU and UPS power management, environmental monitoring, logging, and auto-response alerts.

Warranty and Product Registration

4-Year Limited Warranty

Tripp Lite warrants its products to be free from defects in materials and workmanship for a period of four (4) years from the date of initial purchase. Tripp Lite's obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. To obtain service under this warranty, you must obtain a Returned Material Authorization (RMA) number from Tripp Lite or an authorized Tripp Lite service center. Products must be returned to Tripp Lite or an authorized Tripp Lite service center with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment, which has been damaged by accident, negligence or misapplication or has been altered or modified in any way.

EXCEPT AS PROVIDED HEREIN, Tripp Lite MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

EXCEPT AS PROVIDED ABOVE, IN NO EVENT WILL Tripp Lite BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Specifically, Tripp Lite is not liable for any costs, such as lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, costs of substitutes, claims by third parties, or otherwise.

PRODUCT REGISTRATION

Visit www.tripplite.com/warranty today to register your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!*

* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

FCC Notice, Class B

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications to this equipment not expressly approved by Tripp Lite could void the user's authority to operate this equipment.

WEEE Compliance Information for Tripp Lite Customers and Recyclers (European Union)



Under the Waste Electrical and Electronic Equipment (WEEE) Directive and implementing regulations, when customers buy new electrical and electronic equipment from Tripp Lite they are entitled to:

- Send old equipment for recycling on a one-for-one, like-for-like basis (this varies depending on the country)
- Send the new equipment back for recycling when this ultimately becomes waste

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.

